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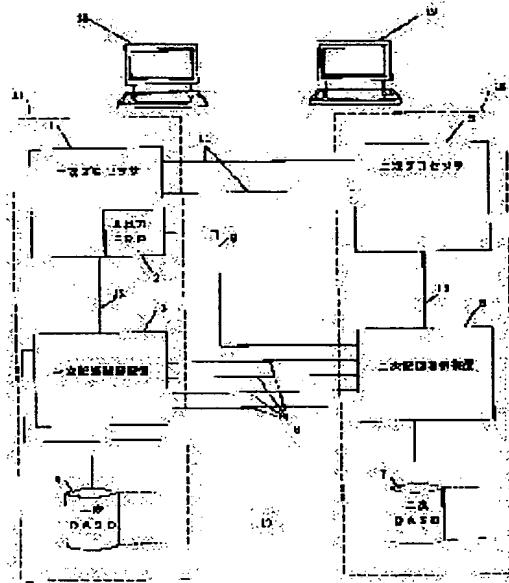
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(54) METHOD FOR FORMING CONSISTENCY GROUP TO PROVIDE DISASTER RECOVERY FUNCTION, AND ITS RELATED SYSTEM

(57)Abstract:

PURPOSE: To provide a remote data shadowing system which provides a real- time disaster recovery function on a storage area base.

CONSTITUTION: A write input-output operation is performed in a storage sub-system on the primary side 14 by record update on the primary side 14. A time- stamp is attached to this write input-output operation and the time, order and physical position of the record update are collected in a primary data mover. The primary data mover divides plural sets of record update and their related control information into groups based on prescribed time intervals, adds a prefix header to the record update and thereby forms a self-description record set. The self-description record set is sent to a remote secondary side 15, and such a consistency group is formed that the record update is ordered to be able to shadow the record update in the sequence that matches the sequence where the write input-output operation was performed on the primary side 14 by the record update.



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